Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-25. (Cancelled)

26. (Previously Presented) A method in a receiver unit to receive communication signals from a transmitter unit via a multi-path channel, said method comprising the steps of:

estimating parameters of a channel filter function of said channel from said received communication signals from the transmitter unit;

sub-dividing the channel filter function into two or more parts, a function of which representing an approximation of the estimated full channel filter function;

representing the complex parameters of at least a selection of said parts of the channel filter function as actual parameter values, or as incremental values indicating the difference to a reference value; and,

composing a channel measurement message to be transmitted to the transmitter unit of a portion including said parameter representations and a portion indicating the manner of representing said parameters.

27. (Previously Presented) The method according to claim 26, wherein said function performs a summing of the sub-divided parts of the channel filter function.

28. (Previously Presented) The method according to claim 26, wherein the sub-divided parts of the channel filter function comprise channel information of a ranked degree of significance.

29. (Previously Presented) The method according to claim 26, wherein the channel filter function is represented as a channel impulse response in the time-domain.

30. (Previously Presented) The method according to claim 29, wherein the complex parameters of the channel impulse response are reproduced as amplitude and phase values.

31. (Previously Presented) The method according to claim 29, wherein the primary sub-divided filter function includes a representation of one or more of the most significant channel components.

32. (Previously Presented) The method according to claim 31, wherein the most significant channel component is the component having the shortest delay.

33. (Previously Presented) The method according to claim 26, wherein the channel filter function is represented as a channel frequency response in the frequency-domain.

34. (Previously Presented) The method according to claim 33, wherein a complex parameter of the channel frequency response is reproduced at least as an amplitude value and optionally by an additional phase value.

35. (Previously Presented) The method according to claim 26, wherein the complex parameters of said parts of the channel filter function are represented by their actual values in case of a significant change compared to a previous reference value.

36. (Previously Presented) The method according to claim 35, wherein the reference value corresponds to a previous channel parameter representation.

37. (Previously Presented) The method according to claim 35, wherein the reference value corresponds to a modelled estimate of the channel filter function.

38. (Previously Presented) The method according to claim 37, wherein the modelled estimate is a interpolation of the channel filter function from the complex parameters of the channel filter function.

39. (Previously Presented) The method according to claim 37, wherein said modelled estimate of the channel filter function has been received by the transmitter unit.

40-45. (Cancelled)

46. (Previously Presented) An apparatus for processing communication signals received via a multipath channel, comprising:

means for estimating parameters of a channel filter function of said channel from said received communication signals from the transmitter unit;

means for sub-dividing the channel filter function into two or more parts, a function of which representing the estimated full channel filter function;

means for representing the complex parameters of at least a selection of the sub-divided channel filter function as actual parameter values, or as incremental values indicating the difference to a reference value; and,

means for composing a channel measurement message to be transmitted to the transmitter unit including said set of parameter representations and a header field indicating the manner of representing said parameters.

47. (Previously Presented) The apparatus according to claim 46, which is integrated in a mobile user equipment.

48-50. (Cancelled).

* * *